INDEX OF SHEETS						
SHEET NO.	DESCRIPTION					
1	Title Sheet					
1A	Index of Sheets					

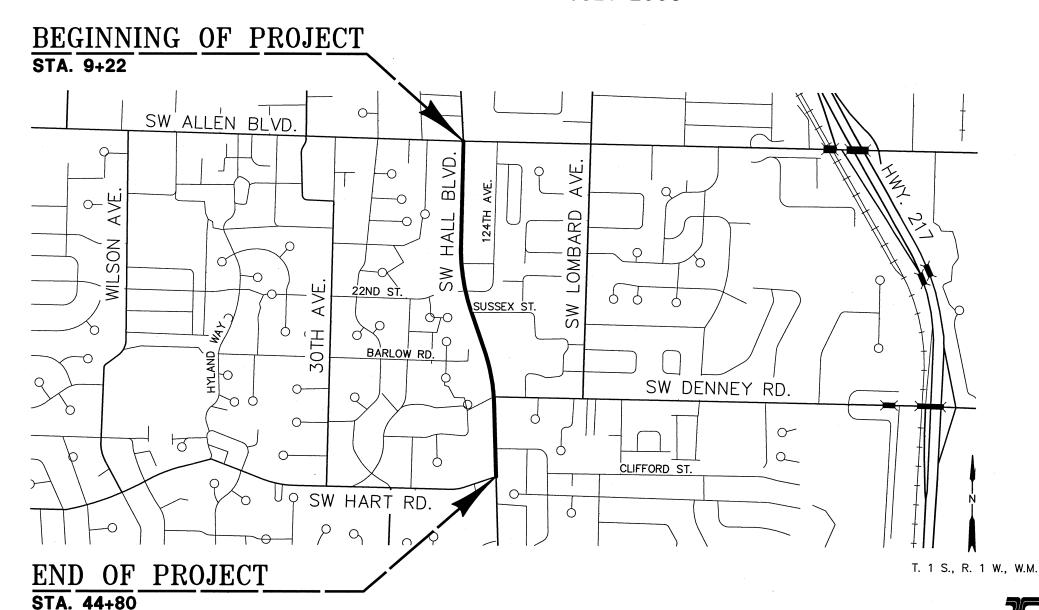
STATE OF OREGON DEPARTMENT OF TRANSPORTATION

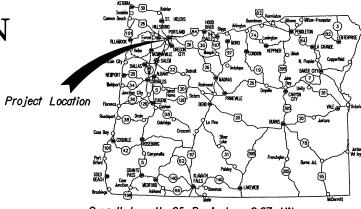
PLANS FOR PROPOSED PROJECT
PAVING & SIGNALS

PUTTING OREGON BACK TO WORK

HALL BLVD. OVERLAY ALLEN BLVD. TO HART ROAD

WASHINGTON COUNTY JULY 2009





Overall Length Of Project - 0.67 Miles

ATTENTION:

Oregon Law Requires You To Follow Rules
Adopted By The Oregon Utility Notification
Center. Those Rules Are Set Forth In
OAR 952-001-0010 Through OAR 952-001-0090.
You May Obtain Copies Of The Rules By Calling
The Center. (Note: The Telephone Number For
The Oregon Utility Center Is (503) 232-1987.)



OREGON TRANSPORTATION COMMISSION

Gail Achterman CHAIR
Mike Nelson VICE CHAIR
Janice J. Wilson COMMISSIONER
Alan Brown COMMISSIONER

David Lohman

Matthew L. Garrett DIRECTOR OF TRANSPORTATION

PLANS PREPARED FOR CITY OF BEAVERTON

DAVID EVANS AND ASSOCIATES, INC.

COMMISSIONER

2100 Southwest River Parkway
Portland Oregon 97201 Ph: 503.223.6663

These plans were developed using AASHTO design standards. Exceptions to these standards, if any, have been submitted and approved by the ODOT Chief Engineer or their delegated authority.

Signature

Print name and title

Concurrence by ODOT Chief Engineer

HALL BLVD. OVERLAY
ALLEN BLVD. TO HART ROAD
WASHINGTON COUNTY

FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	#	1



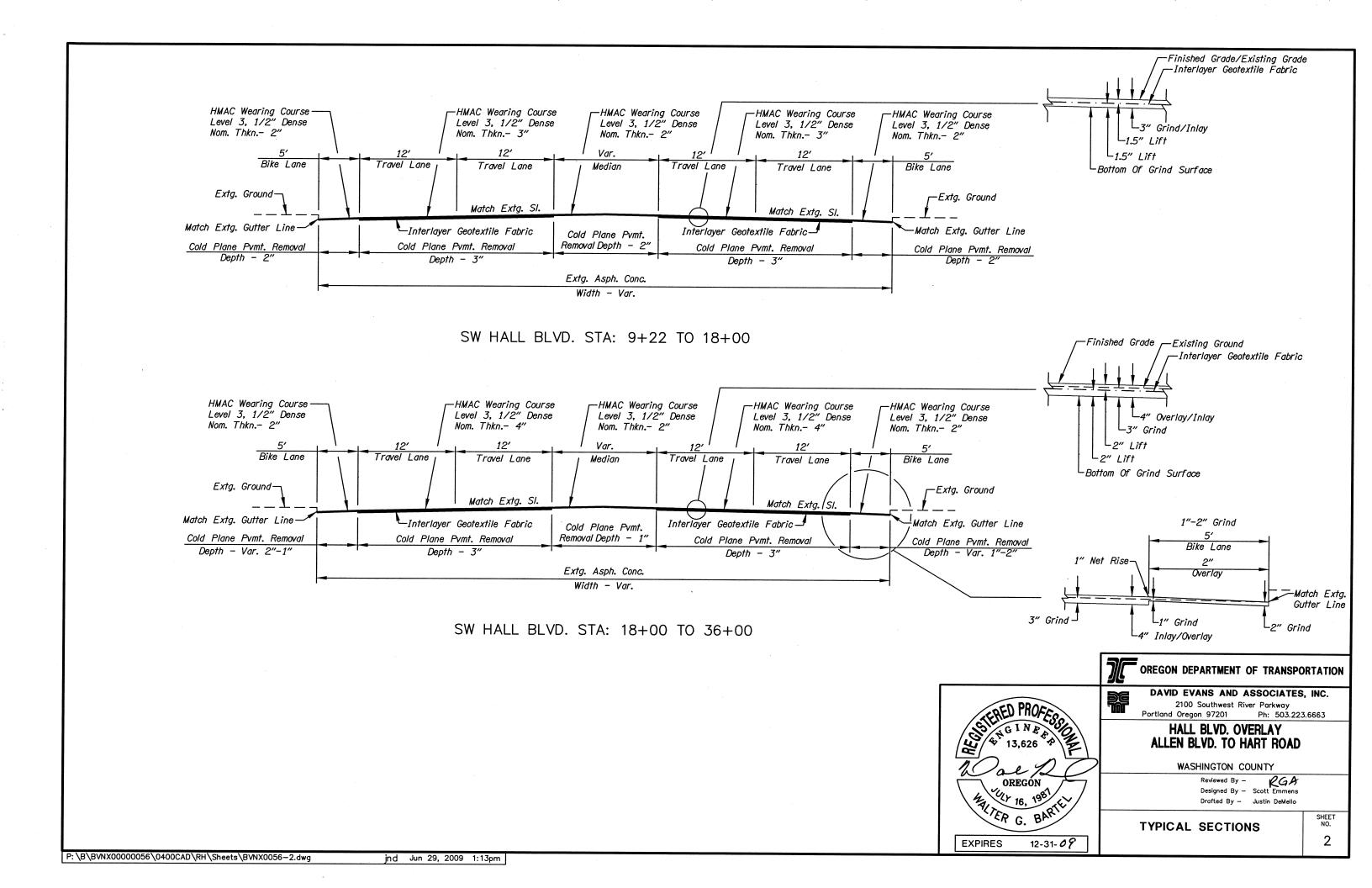
City Of Beaverton

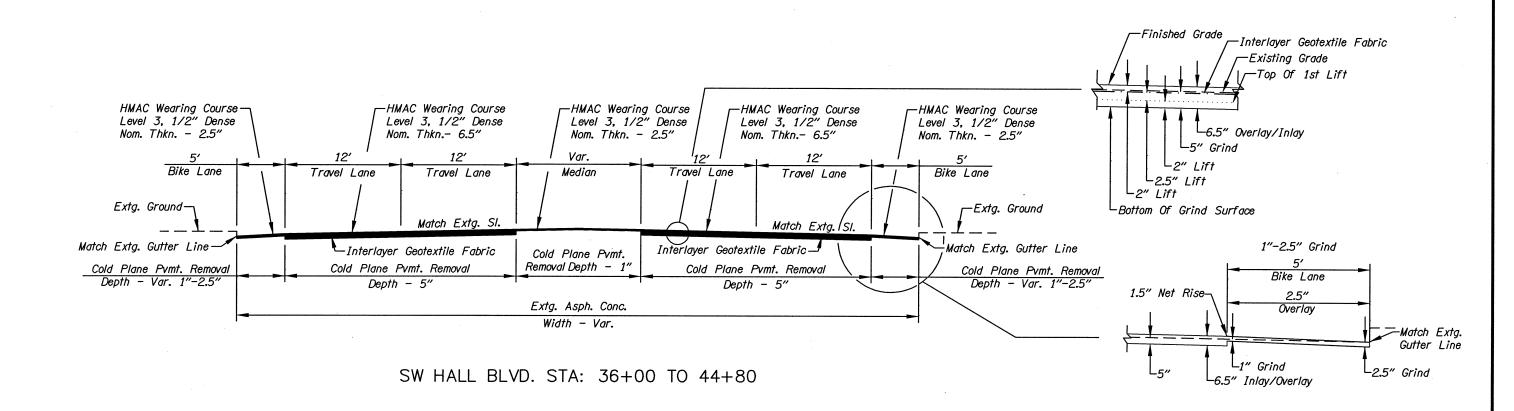
	INDEX OF SHEETS				
SHEET NO.	DESCRIPTION				
	ROADWAY				
2 thru 2A	Typical Sections				
2B thru 2B-6	Details				
3 thru 8	General Construction				
	TRAFFIC				
SG	Signal Legend				
SG-2	Signal Plan				
SG-3	Detection Plan				
ST thru ST-7	Striping Plans				

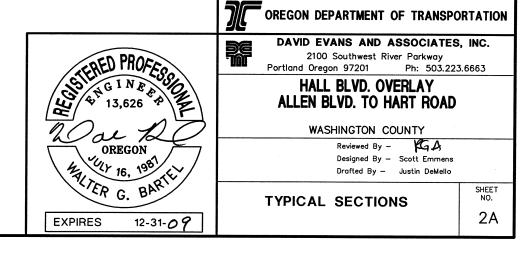
HALL BLVD. OVERLAY
ALLEN BLVD. TO HART ROAD
WASHINGTON COUNTY

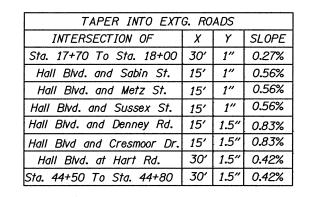
FEDERAL HIGHWAY ADMINISTRATION PROJECT NUMBER SHEET NO.

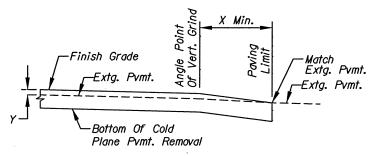
OREGON # 1A



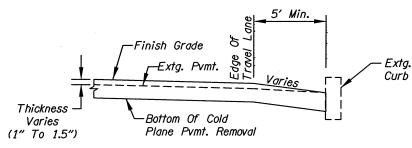




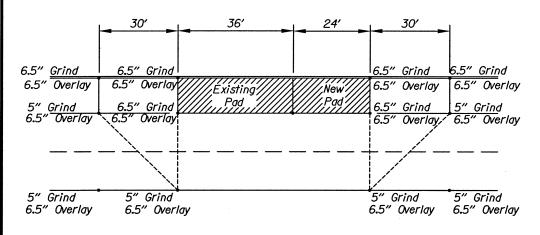




PAVEMENT MATCHING DETAIL

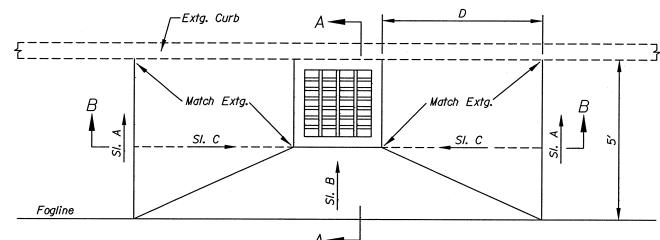


FLOWLINE MATCHING DETAIL



Sta. 36+00 To Sta. 44+00

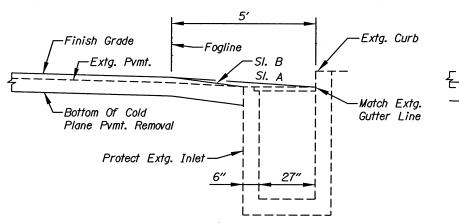
PAVING PATTERN ADJACENT TO BUS PADS



INLET PAVING DIMENSIONS								
LOCATION				D	A	В	С	
Sta.	18+00	To	Sta.	36+00	5′	4.2%	12.89%	1.85%
Sta.	36+00	To	Sta.	44+80	8'	5.0%	8.1%	1.72%

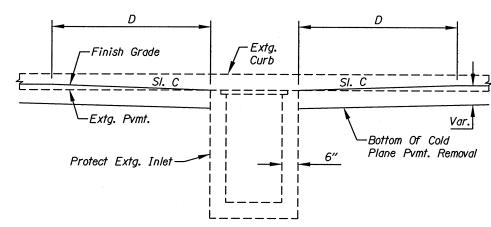
Assumptions: Existing Cross Slope = 2.50% : Curb Is Level : Bike Lane = 5.0'

PLAN



SECTION A-A

INLET PAVING DETAIL

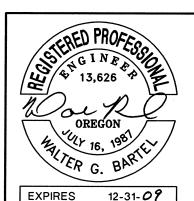


SECTION B-B

4" Grind 4" Grind 4" Overlay 4" Overlay 4" Overlay Pad 3" Grind 4" Grind 3" Grind 4" Overlay 4" Overlay 3" Grind 4" Overlay 3" Grind 3" Grind 4" Overlay 3" Grind 4" Overlay 4" Overlay

Sta. 18+00 To Sta. 36+00

PAVING PATTERN ADJACENT TO BUS PADS



OREGON DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC. 2100 Southwest River Parkway Portland Oregon 97201 Ph: 503.223.6663

Portland Oregon 97201 Ph: 503.223.6

HALL BLVD. OVERLAY

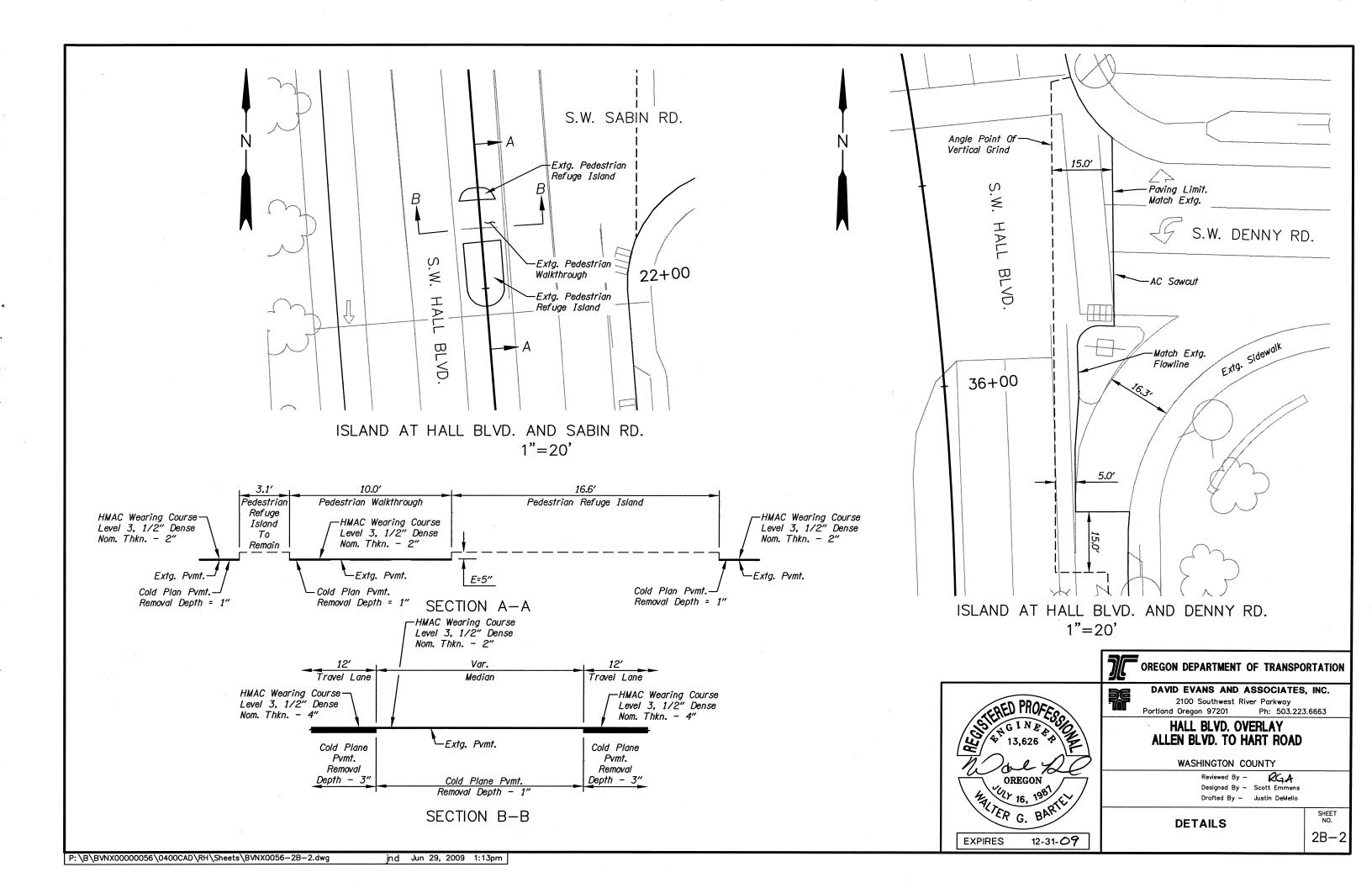
ALLEN BLVD. TO HART ROAD

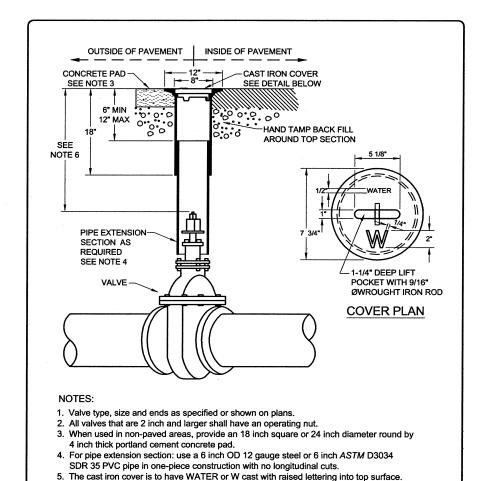
WASHINGTON COUNTY

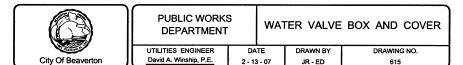
Reviewed By - PGA
Designed By - Scott Emmens
Drafted By - Justin DeMello

DETAILS

No. 2B







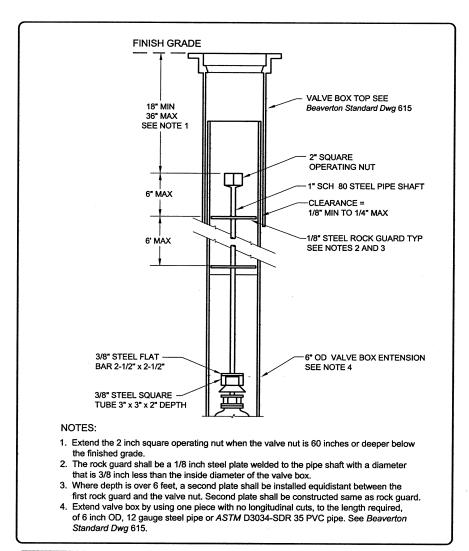
6. When the valve nut is 60 inches or deeper below finished grade, provide valve operator

7. For 18 inches of valve box, flanged upper section of valve box and cover, use Olympic

extension per Beaverton Standard Dwg 620.

Foundry VB 910.

WATER VALVE BOX AND COVER C.O.B. STD. DRG. NO. 615





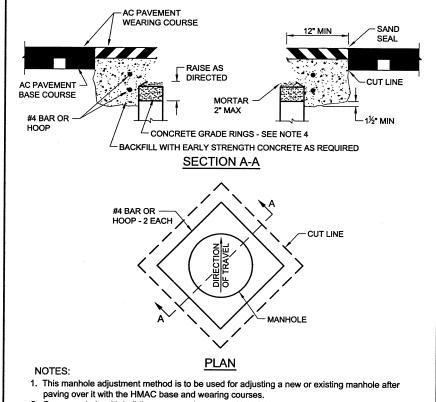
 PUBLIC WORKS
 WATER VALVE

 DEPARTMENT
 OPERATOR EXTENSION

 UTILITIES ENGINEER
 DATE
 DRAWN BY
 DRAWING NO.

 David A. Winship, P.E.
 2 - 13 - 07
 JR - ED
 620

WATER VALVE OPERATOR EXTENSION C.O.B. STD. DRG. NO. 620



2. Cover manhole with building paper and construct HMAC base and wearing courses.

Sawcut square or circular excavation around manhole 12 inches minimum from manhole frame. Orient diagonal of square so that it is parallel to roadway centerline.

4. Raise manhole frame and cover to finish grade by installing concrete grade rings and leveling mortar. No more than 8 inches of concrete grade rings shall be used to adjust any manhole to grade. Metal paving rings/risers are not allowed, except as necessary during a pavement overlay project, and then only one (1) paving ring is allowed. Engineer must design and include calculations in the construction plan set, showing which manhole adjustment option will be used at each location.

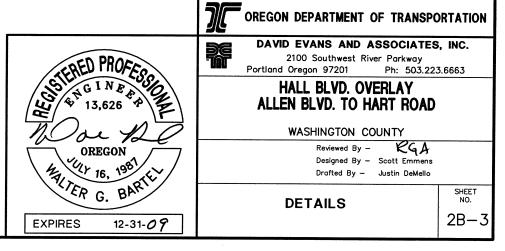
5. Backfill with early strength PCC and HMAC wearing course.

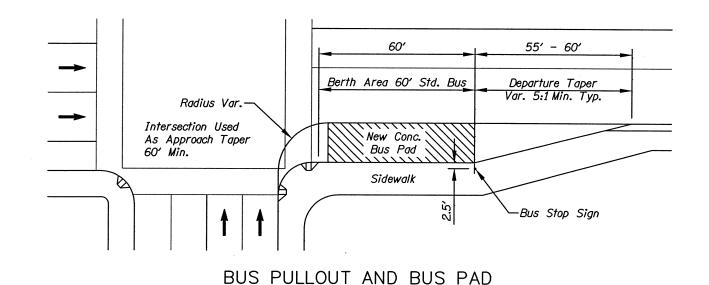


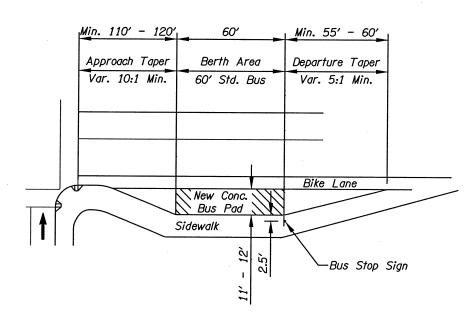
 PUBLIC WORKS DEPARTMENT
 MANHOLE ADJUSTMENT SEQUENCE OPTION #1

 CITY ENGINEER Terry Waldele, P.E.
 DATE 3 - 22 - 05
 DRAWN BY JCH - CPD
 DRAWING NO. 320

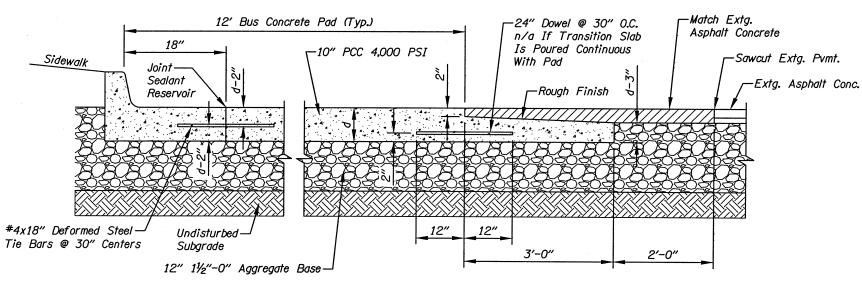
MAJOR ADJUST MANHOLE C.O.B. STD. DRG. NO. 320

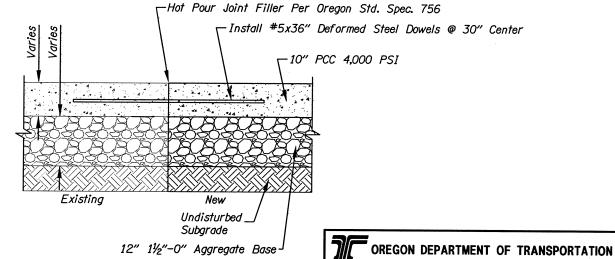




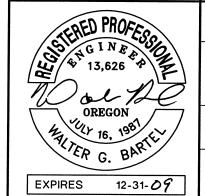


MID-BLOCK BUS PULLOUT AND BUS PAD





CONCRETE BUS PAD



DAVID EVANS AND ASSOCIATES, INC.

2100 Southwest River Parkway
Portland Oregon 97201 Ph: 503.223.6663

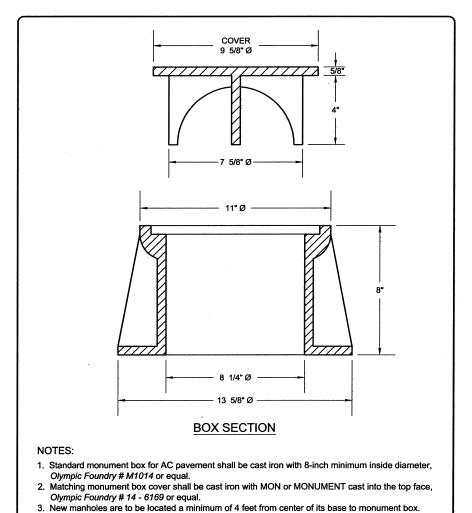
HALL BLVD. OVERLAY ALLEN BLVD. TO HART ROAD

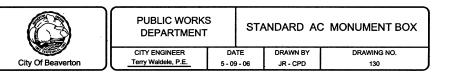
WASHINGTON COUNTY

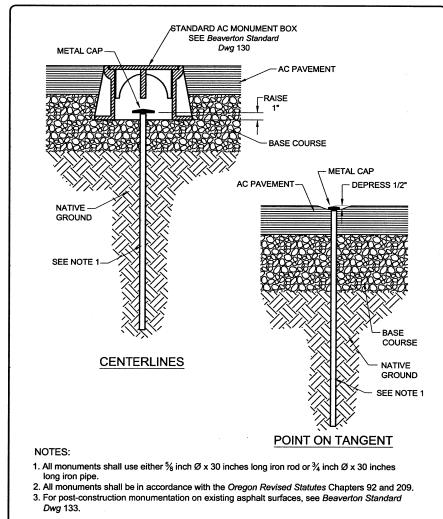
Reviewed By - RGA
Designed By - Scott Emmens
Drafted By - Justin DeMello

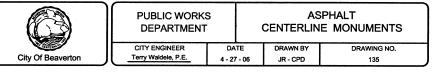
DETAILS

SHEET NO.



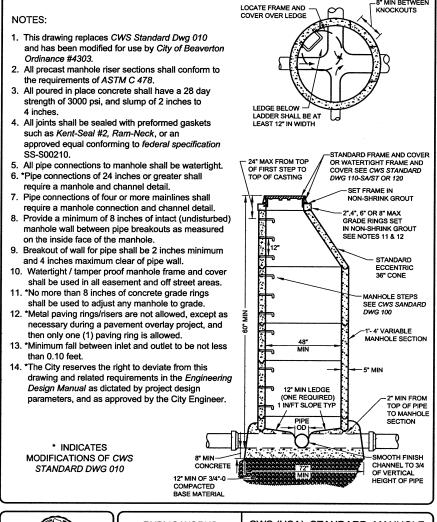


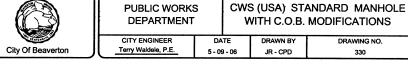




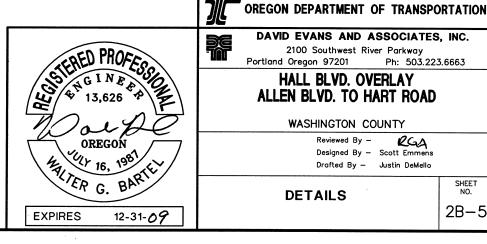
STANDARD AC MONUMENT BOX C.O.B. STD. DRG. NO. 130

ASPHALT CENTERLINE MONUMENTS C.O.B. STD. DRG. NO. 135

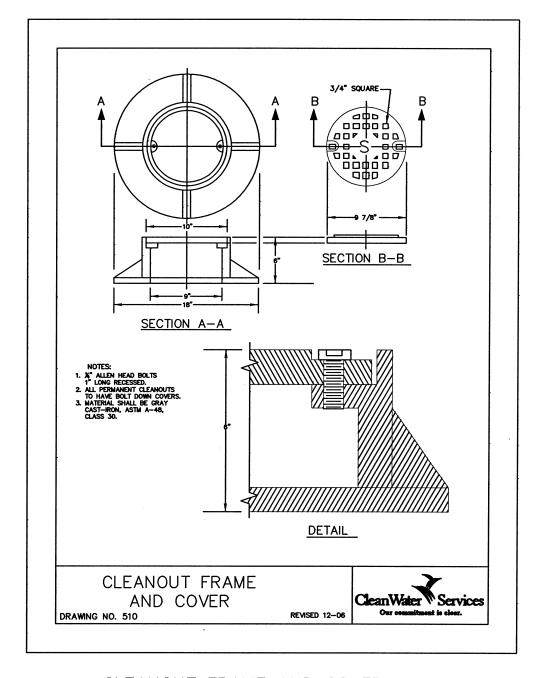




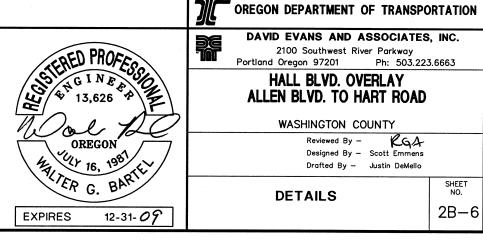
CWS (USA) STANDARD MANHOLE WITH C.O.B. MODIFICATIONS C.O.B. STD. DRG. NO. 330

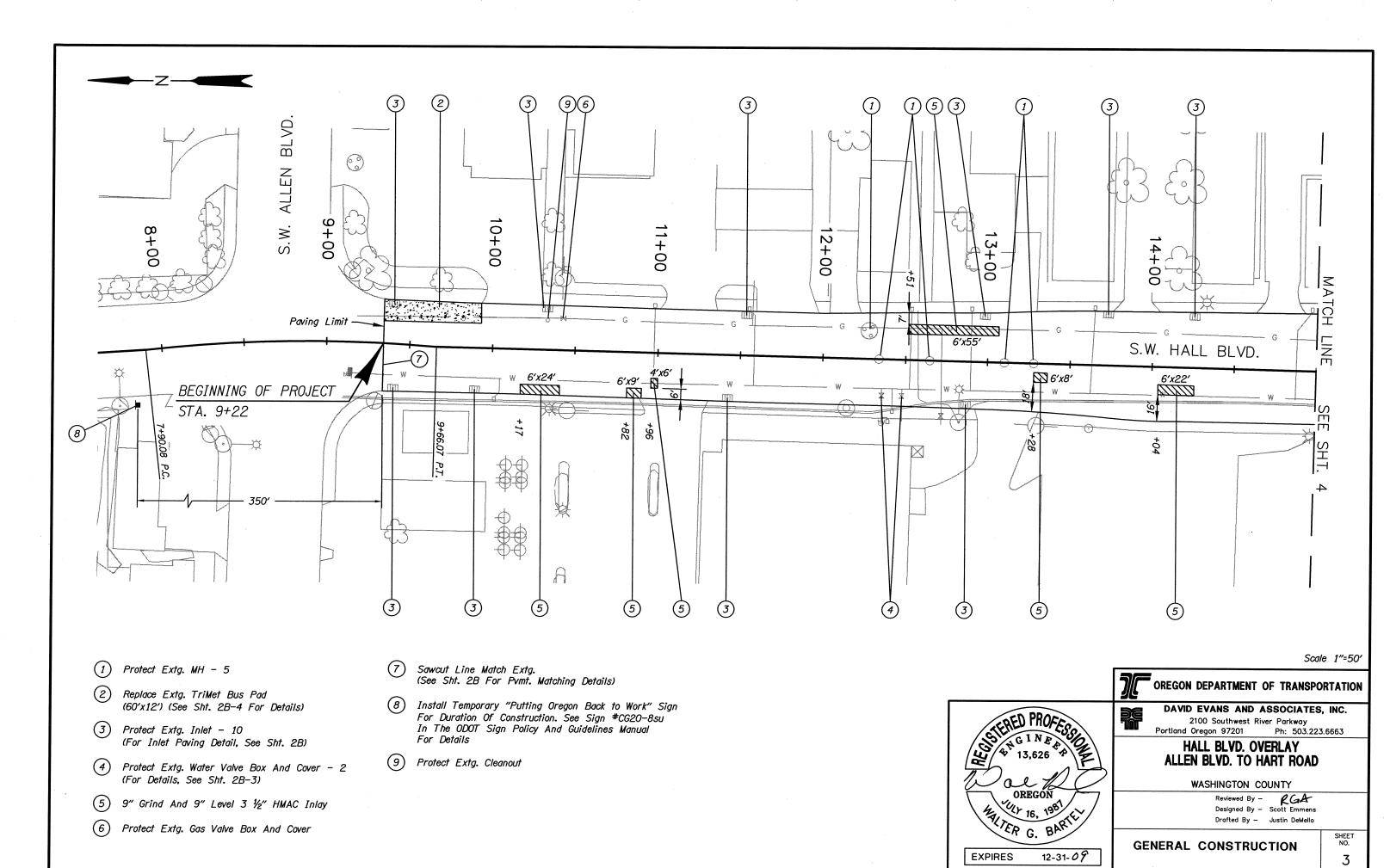


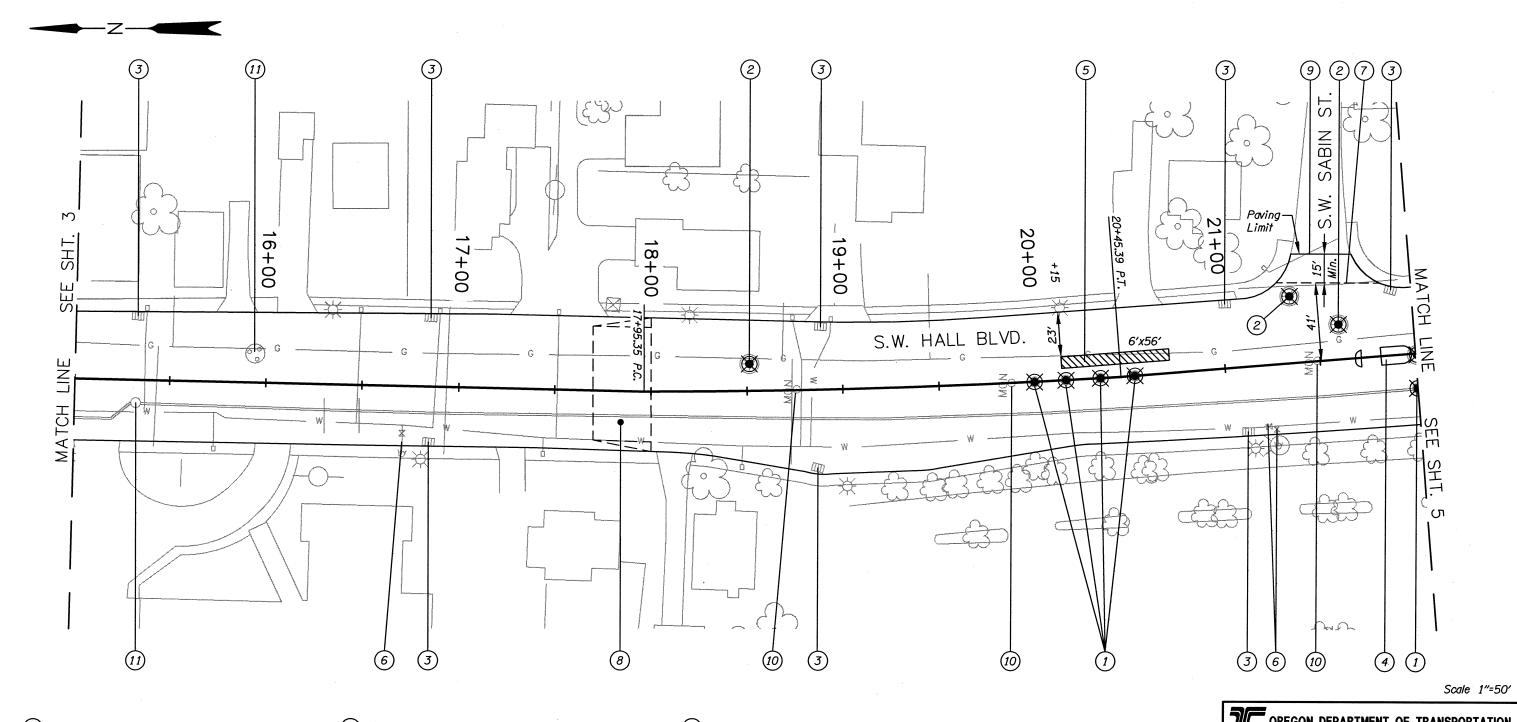
2B - 5



CLEANOUT FRAME AND COVER C.W.S. DRG. NO. 510



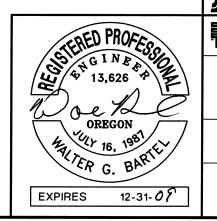




- Minor Adjust MH 5
- Major Adjust MH 3 (For Details, See Sht. 2B-3)
- 3) Protect Extg. Inlet 8 (For Inlet Paving Detail, See Sht. 2B)
- 4 Protect Extg. Pedestrian Refuge Island (For Details, See Sht. 2B-2)
- 8" Grind And 9" Level 3 1/2" HMAC Overlay

- Protect Extg. Water Valve Box And Cover And Adjust To Finished Grade - 3 (For Details, See Sht. 2B-3)
- Angle Point Of Vertical Grind (See Sht. 2B For Pvmt. Matching Details)
- Vertical Overlay Transition. Sta: 17+70 To 18+00 (See Shts. 2 And 2B-2 For Details)
- 9 Sawcut Line Match Extg. (See Sht. 2B For Pvmt. Matching Details)

- Protect Extg. Centerline Monument And Adjust To Finished Grade - 3
- Protect Extg. MH



OREGON DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

2100 Southwest River Parkway 1 Oregon 97201 Ph: 503.223.6663 Portland Oregon 97201

HALL BLVD. OVERLAY ALLEN BLVD. TO HART ROAD

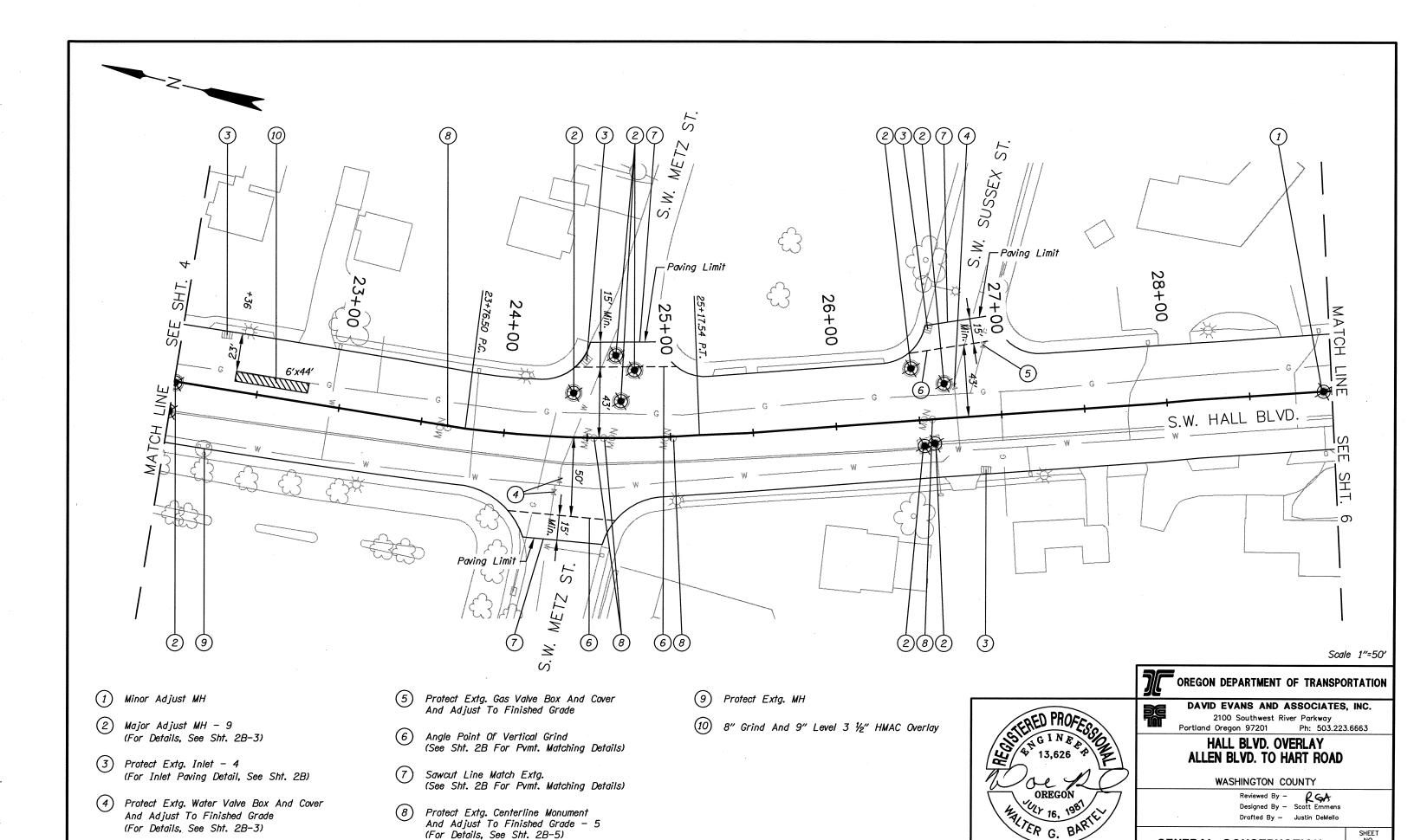
WASHINGTON COUNTY

Reviewed By - KGA

Designed By - Scott Emmens Reviewed By -Drafted By - Justin DeMello

GENERAL CONSTRUCTION

SHEET NO.



Drafted By - Justin DeMello

GENERAL CONSTRUCTION

EXPIRES

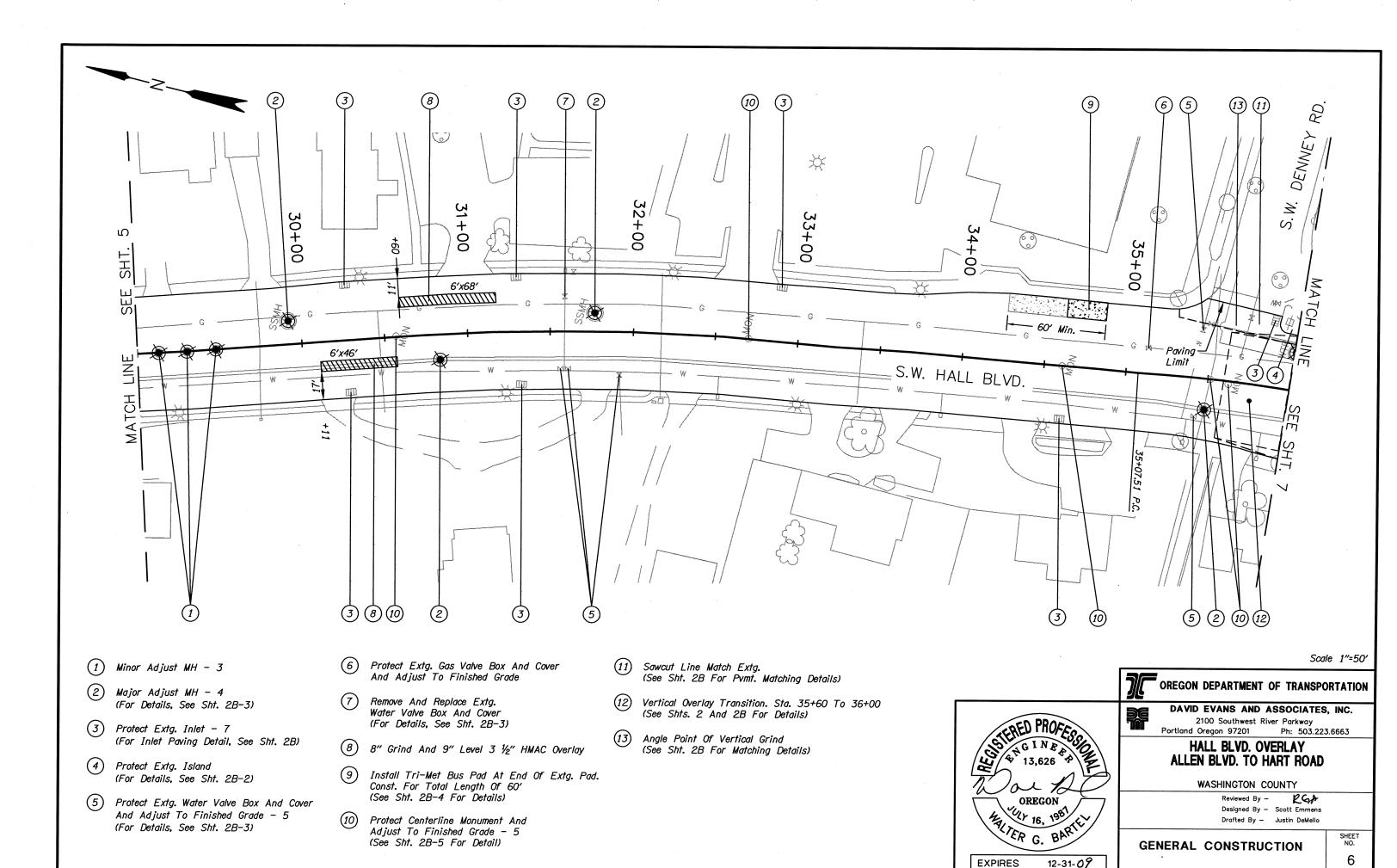
12-31-09

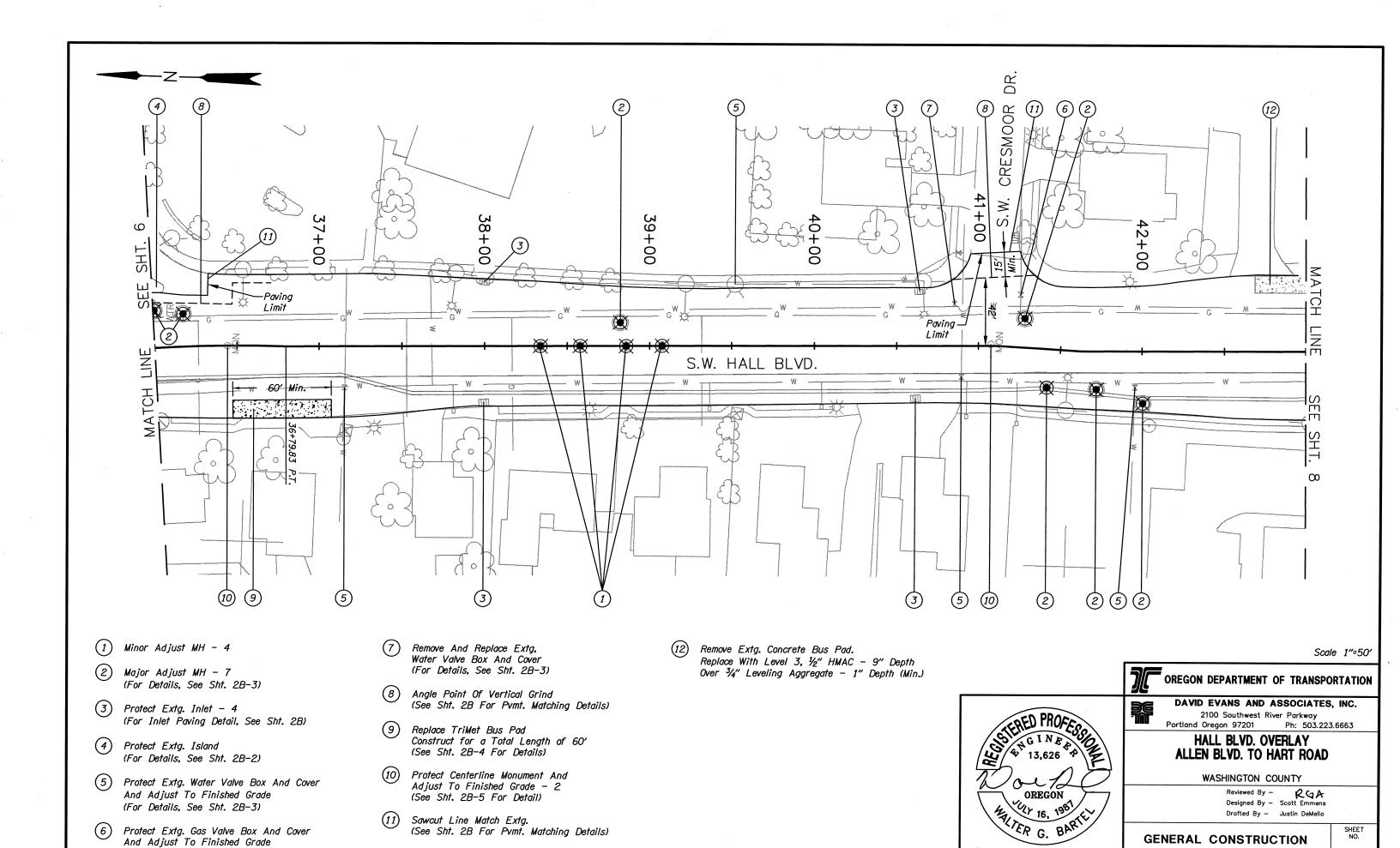
SHEET NO.

5

(For Details, See Sht. 2B-3)

(For Details, See Sht. 2B-5)

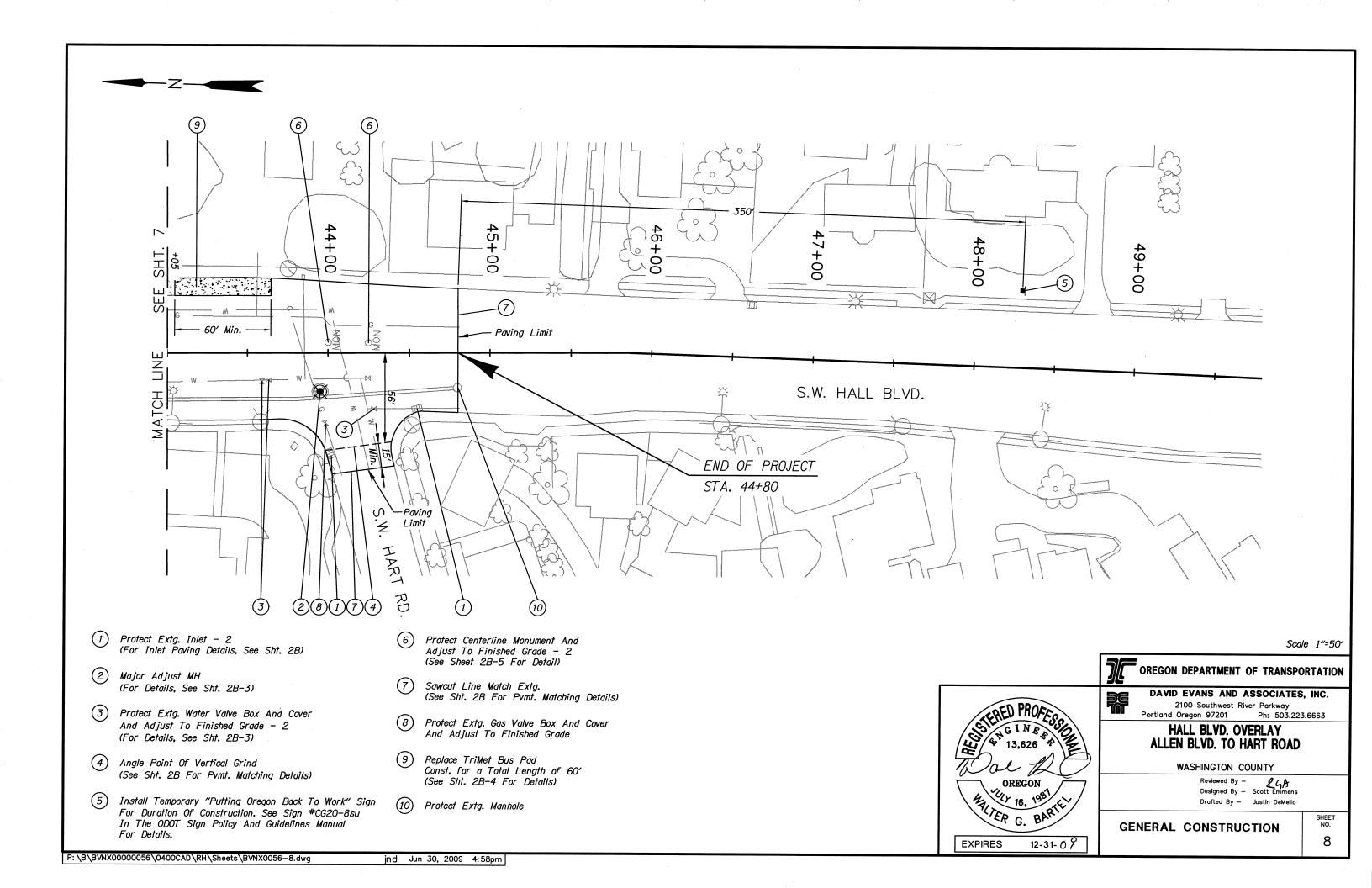




7

EXPIRES

12-31-09



EXISTING

Retain and protect existing aluminum sign and mount Retain and protect existing model 170 controller and model 332 cabinet Retain and protect existing control cables EX CH Retain and protect existing (CH=channel) fire pre-emption detector unit Retain and protect existing (CH=channel) fire pre-emption feeder cable Retain and protect existing high pressure sodium luminaire $\binom{EX}{J1}$ Retain and protect existing 17"X10"X12" precast concrete junction Retain and protect existing 22"X12"X12" precast concrete junction box $\frac{EX}{J3}$ Retain and protect existing 30"X17"X12" precast concrete junction box (EX) LARetain and protect existing luminaire arm Retain and protect existing traffic signal mast arm Retain and protect existing traffic signal mast arm pole Retain and protect existing traffic signal mast arm pole with luminaire pole extension EX P/B Retain and protect existing pedestrian signal, pushbutton and instruction sign Retain and protect existing pedestrian signal pedestal Retain and protect existing street name sign Retain and protect existing terminal cabinet Retain and protect existing phase (Ph) vehicle signal Retain and protect existing wiring

Retain and protect existing detector conduit

Retain and protect existing interconnect conduit

Retain and protect existing luminaire conduit

Retain and protect existing electrical conduit (S=size) inch

INSTALL



Install video detection camera for (Ph=Phase)



Install video detection cable for (Ph=Phase)



Video detection zone for (Ph=Phase)

REMOVE



Remove existing loop feeder cable

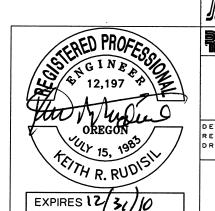
2 = 12"R, 12"Y, 12"G

3L = 12" RLTA, 12" YLTA, 12" GLTA

6L = 12" RLTA, 12" YLTA, 12" FYLTA, 12" GLTA

E = Elevator Plumbizer

A = Standard Plumbizer



OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC ROADWAY SECTION

DAVID EVANS AND ASSOCIATES INC. 2100 S.W. River Parkway, Portland Oregon 97201 Ph: 503.223.6663

HALL BLVD. OVERLAY ALLEN BLVD. TO HART ROAD

WASHINGTON COUNTY

DESIGNED BY: Keith Rudisil
REVIEWED BY: MPLA
DRAWN BY: Justin DeMello

SIGNAL LEGEND

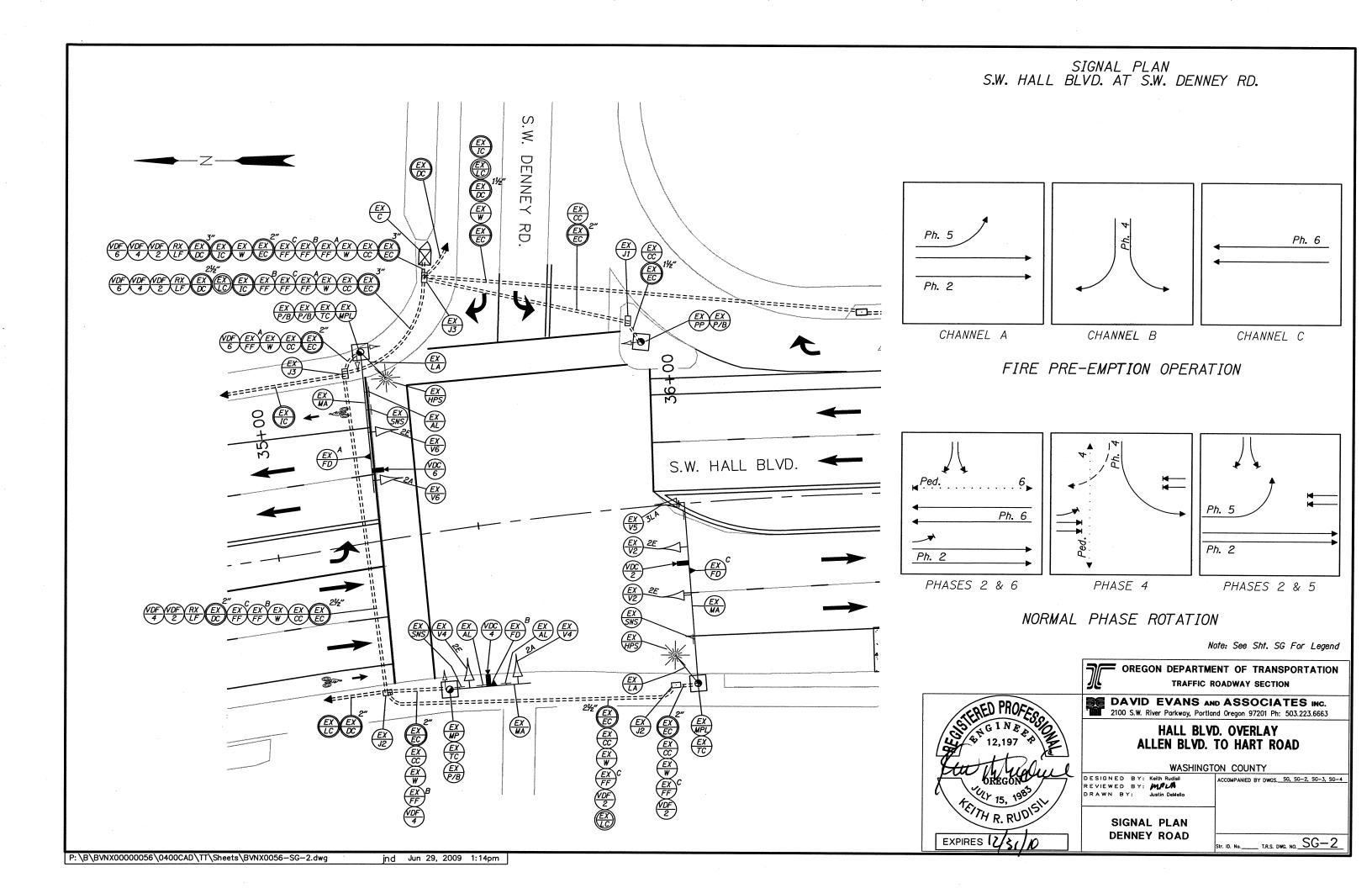
str. ID. No.____ T.R.S. DWG. NO.____SG

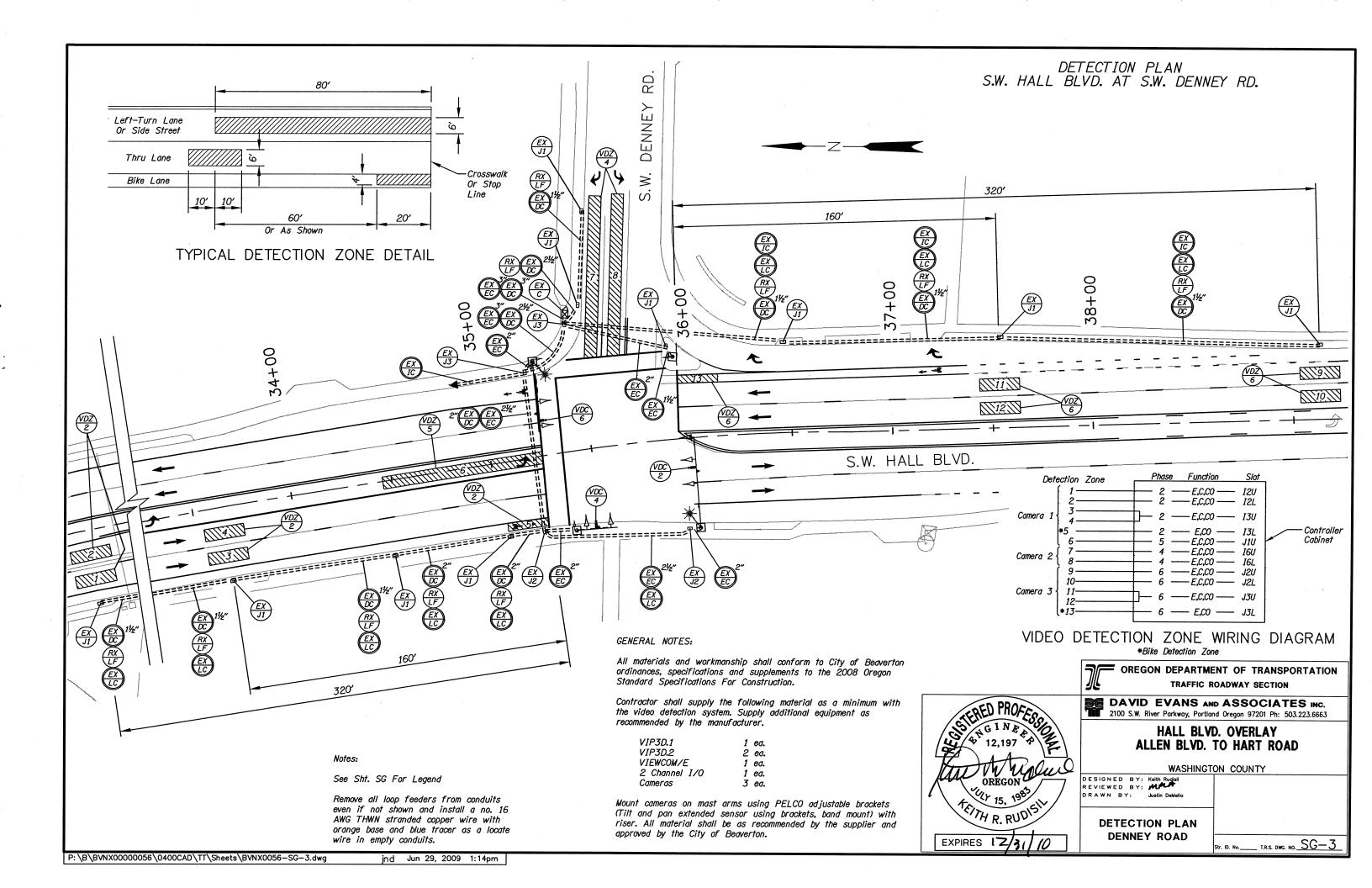
ACCOMPANIED BY DWGS. SG-2, SG-3

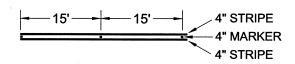
P:\B\BVNX00000056\0400CAD\TT\Sheets\BVNX0056-SG.dwg

(EX) (CC)

ind Jun 29, 2009 1:14pm

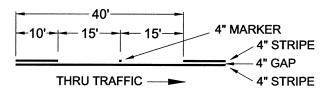






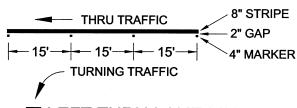
MEDIAN NOSE

Two 4" yellow Methyl Methacrylate lines with 4" bi-directional yellow type I raised Pavement Markers at 15' on center



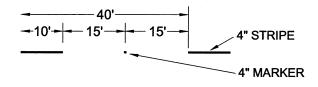
2 TWO-WAY LEFT TURN CENTERLANE LINES

4" yellow Methyl Methacrylate lines with 4" bi-directional yellow type I Raised Pavement Markers



3 LEFT TURN LANE LINE

8" white Methyl Methacrylate line with 4" mono-directional white type I raised Pavement Markers at 15' on center



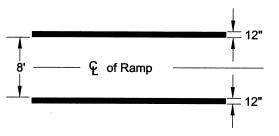
4 SKIP LANE LINE

4" white Methyl Methacrylate lines with 4" mono-directional white type I raised Pavement Markers



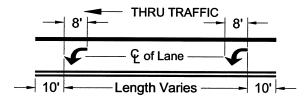
5 BIKE LANE LINE

8" white Methyl Methacrylate line



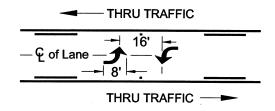
6 CROSSWALK

Two 12" white Methyl Methacrylate lines



DILEFT TURN LANE MARKING

White Methyl Methacrylate Arrows centered 10' from beginning of full width of turn lane.



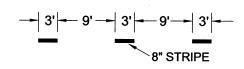
8 2-WAY LEFT TURN MARKINGS

Two opposing white Methyl Methacrylate Arrows centered in the turn lane.



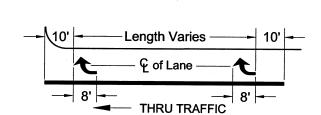
9 BIKE LANE MARKINGS

White Inlaid hot Thermoplastic Arrow & Bike Symbol centered in Bike lane.



10 SKIP BIKE LANE LINE

8" white Methyl Methacrylate lines



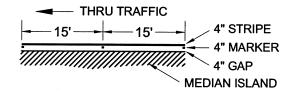
12 STOP LINE

12" white Methyl Methacrylate line

12" STRIPE

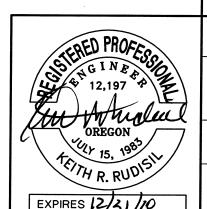
13 RIGHT TURN LANE MARKINGS

White Methyl Methacrylate Arrows centered 10' from beginning of full width of turn lane.



MEDIAN LINE

4" yellow Methyl Methacrylate line with 4" mono-directional yellow type 1 raised Pavement Markers at 15' on center



OREGON DEPARTMENT OF TRANSPORTATION

DAVID EVANS AND ASSOCIATES, INC.

2100 Southwest River Parkway
Portland Oregon 97201 Ph: 503.223.6663

HALL BLVD. OVERLAY ALLEN BLVD. TO HART ROAD

WASHINGTON COUNTY

Reviewed By - Mike Laux
Drafted By - Justin DeMello

STRIPING DETAILS

SHEET NO.

